Canon PowerShot S80 Motherboard Replacement

Replace the Motherboard in your Canon PowerShot S80.

Written By: BrettH

INTRODUCTION

This guide serves to remove and replace the motherboard.

TOOLS:

- Metal Spudger (1)
- Phillips #00 Screwdriver (1)

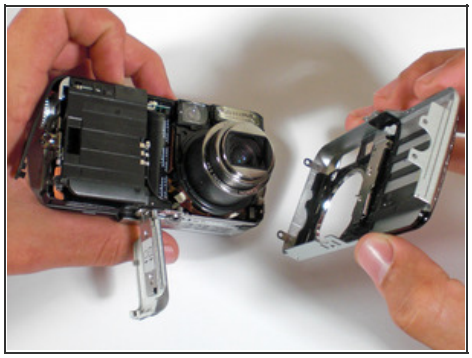
Step 1 — Outer Casing

- Remove the knot on the wrist lanyard.
- Remove the battery and memory card.

Step 2

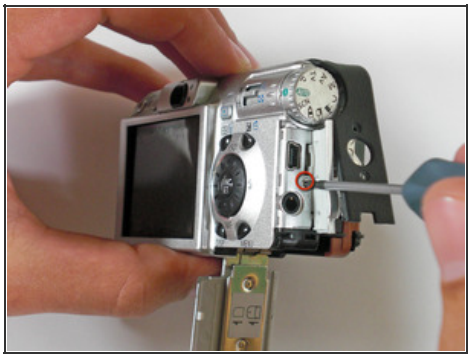
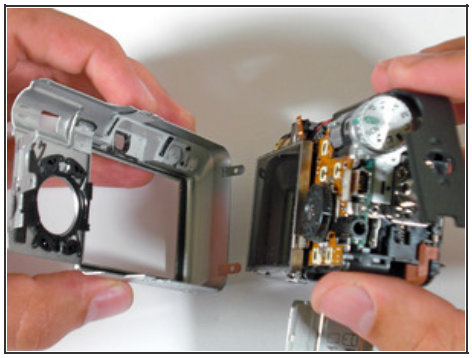
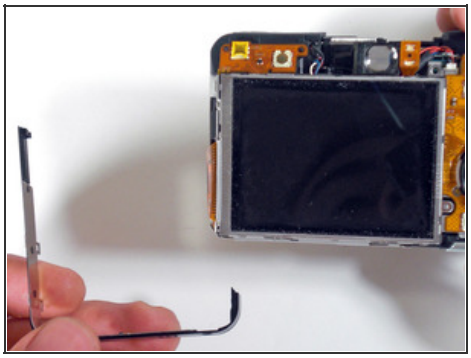
- Remove all screws from sides of outer casing.
- Begin removing the screws on the bottom of the outer casing.
- Remove the rest of the screws from the outer casing.

Step 3



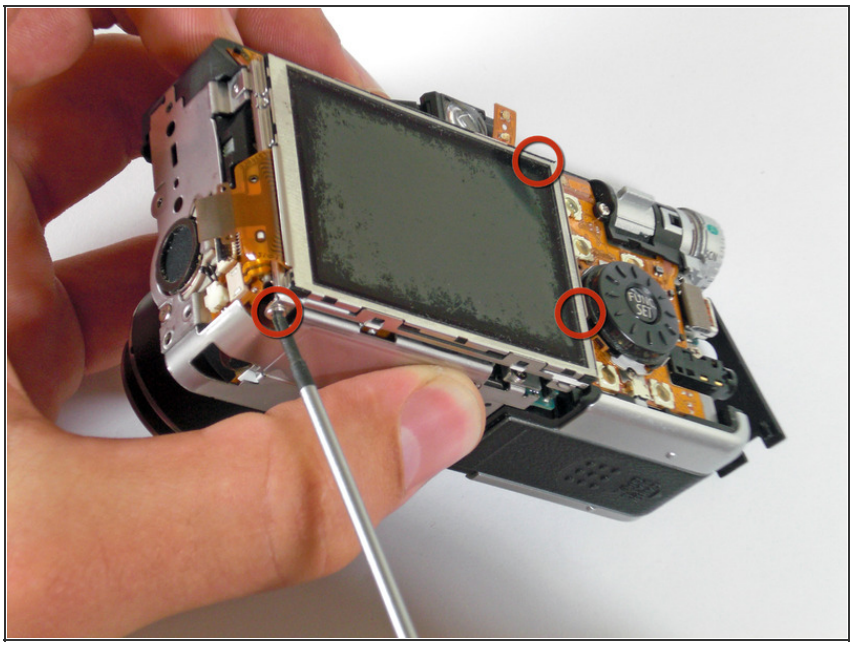
- Gently pull the front cover off the camera.

Step 4

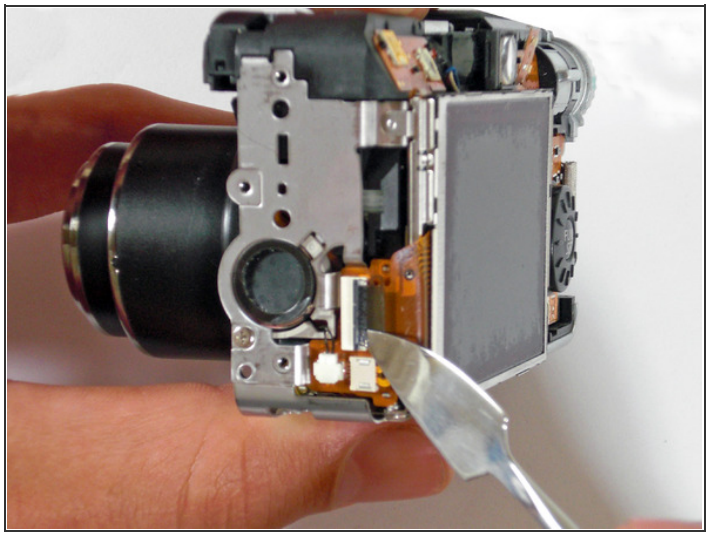
- Open the "A/V Out Digital" cover slide, and remove the screw inside.
- Gently pull off the back casing.
- Remove the black "L" shaped piece of metal.

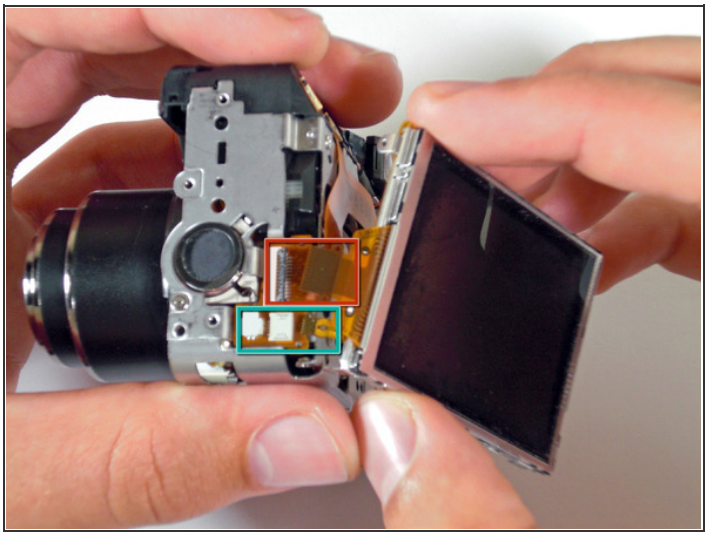
Step 5 — LCD Screen



- Remove the three screws that are holding the screen in place and free the screen from the underlying components.
- Be careful of the ribbon wire that is still attached on the left of the screen.

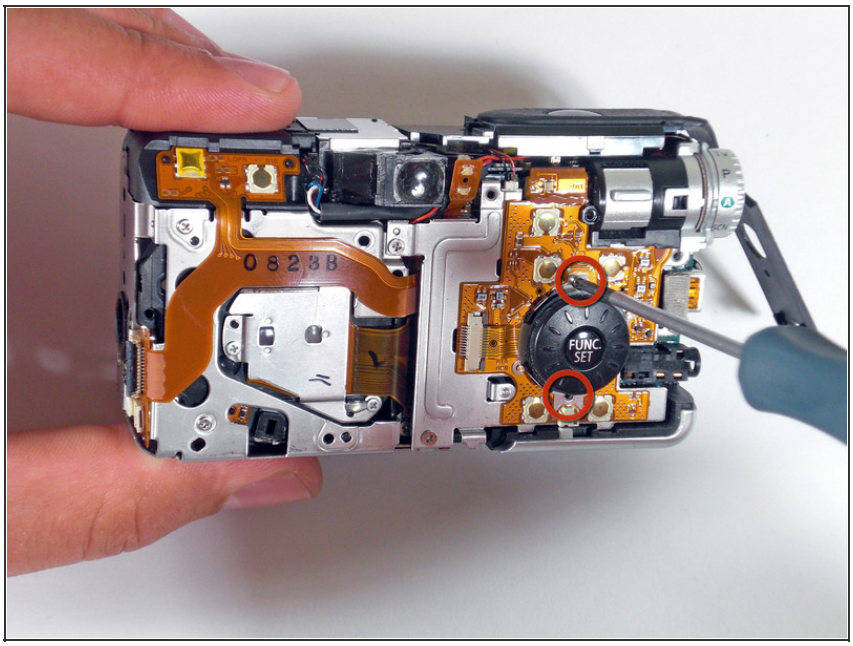
Step 6





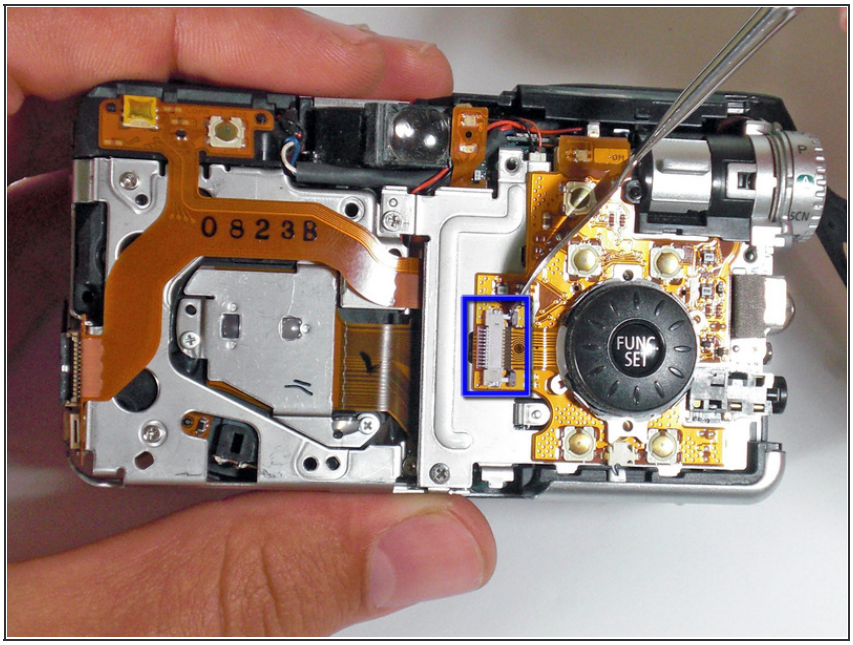
- With the spudger, gently lift the black flap that is holding the wide ribbon cable wire in place.
- Unplug the wide ribbon cable.
- Unplug the narrow ribbon cable to free the LCD screen from the camera body

Step 7 — Motherboard



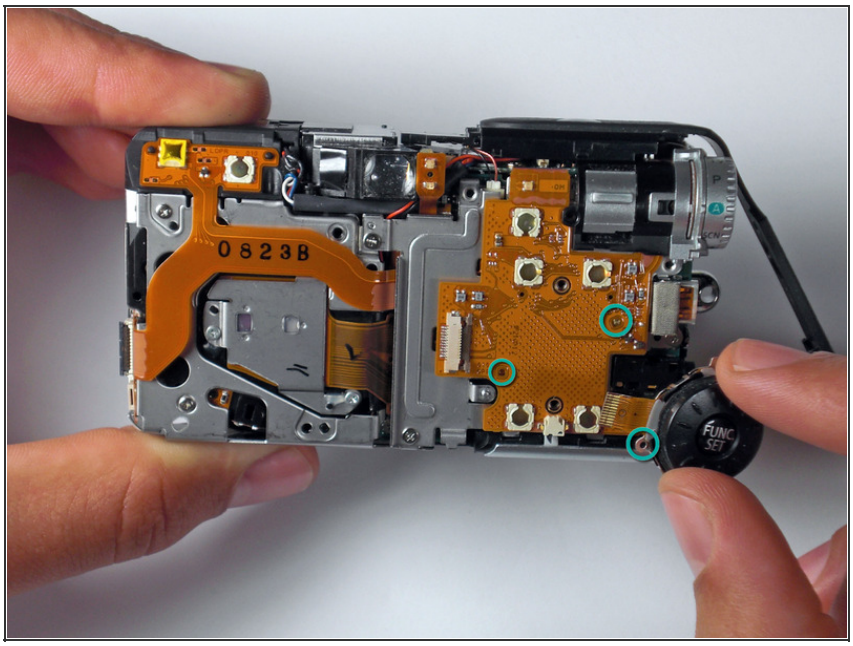
- Remove the screws holding down function set button.

Step 8



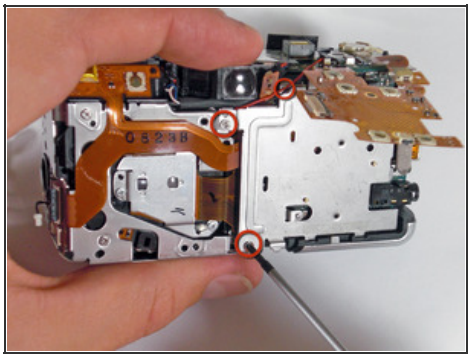
- Gently pry up the tab with a metal spudger and remove the ribbon cable.

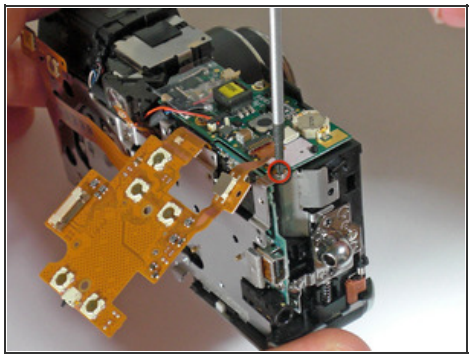
Step 9

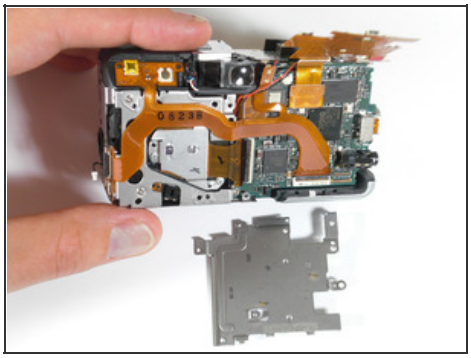


- Be mindful of the pins as you lift up and remove the function/set button.

Step 10

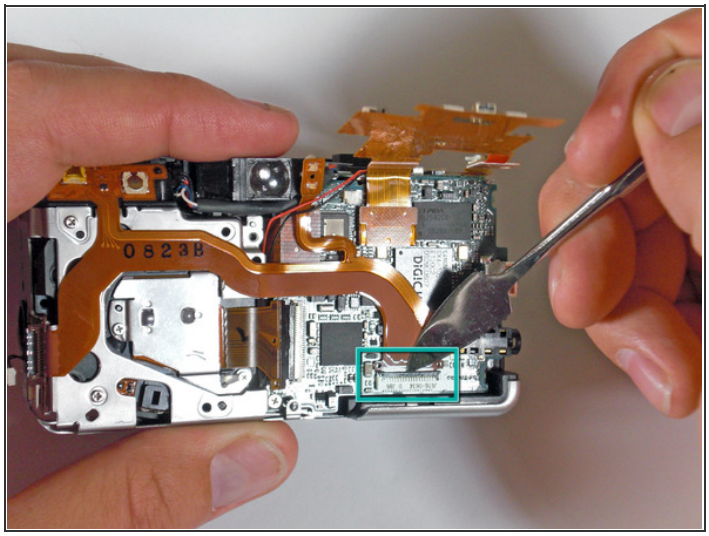


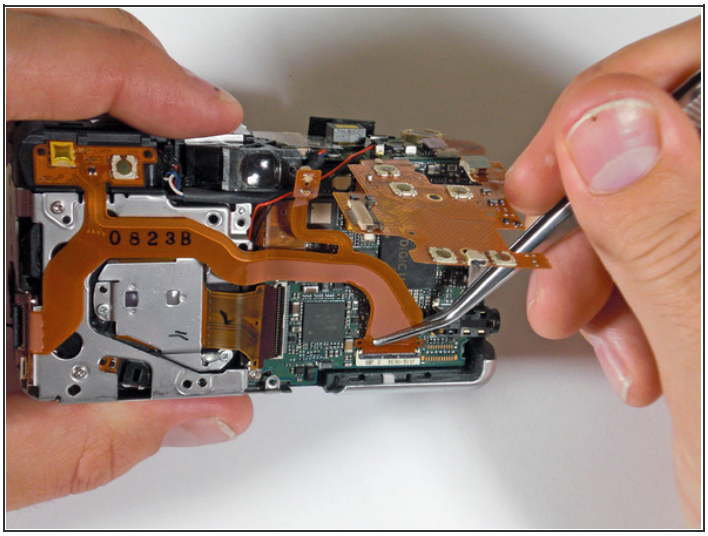




- Remove the screws from the metal plate.
- Gently remove the metal plate.

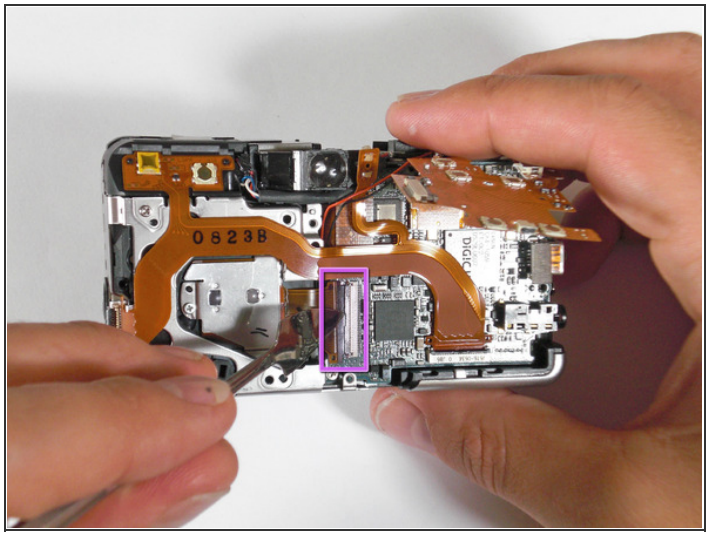
Step 11

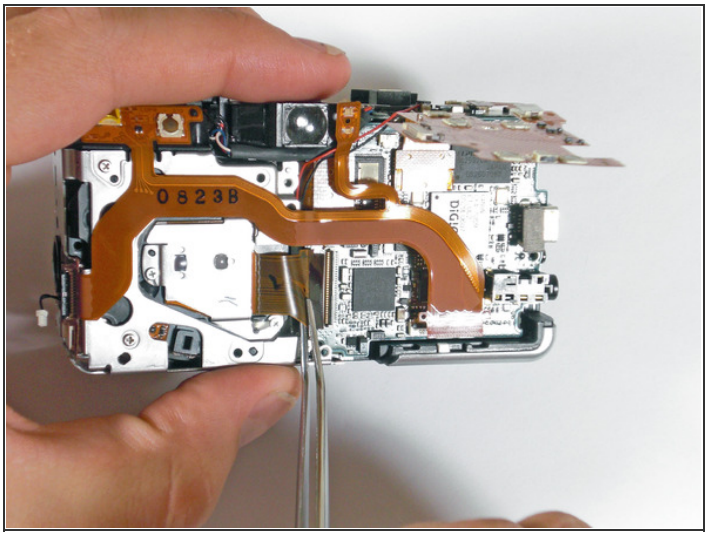




- Lift the tab connecting the ribbon cable and detach.

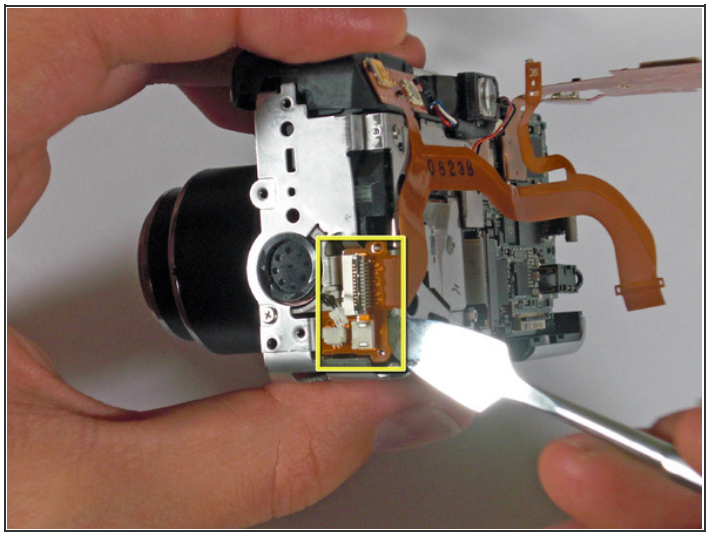
Step 12

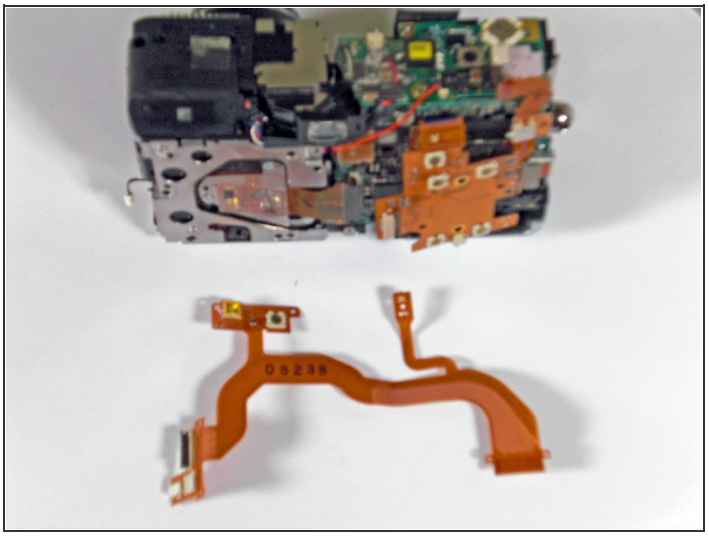




- Use a spudger to lift up the ribbon cable tab.
- Detach the ribbon cable.

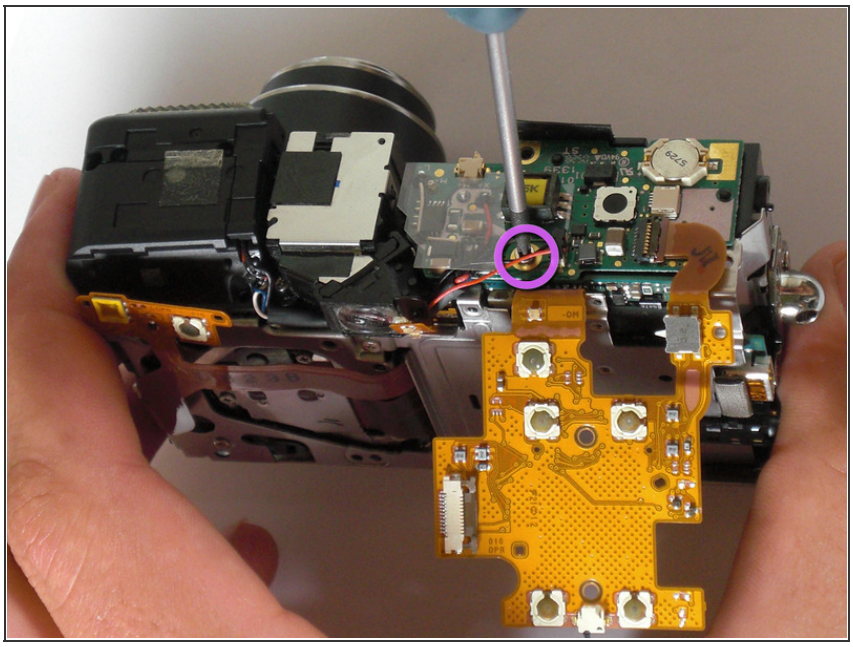
Step 13





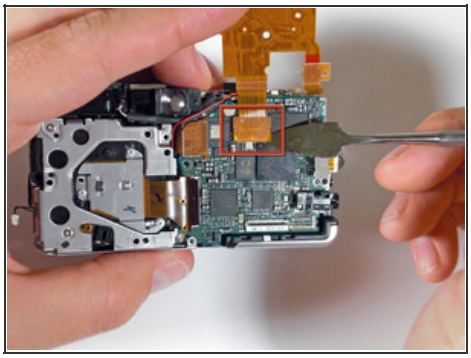
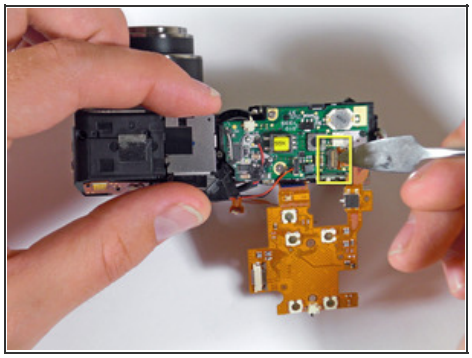
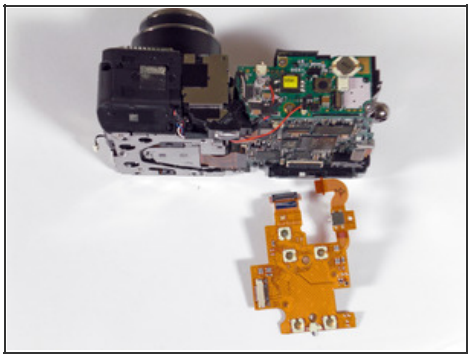
- Gently remove the entire ribbon cable connection to release the ribbon cable from the camera.

Step 14



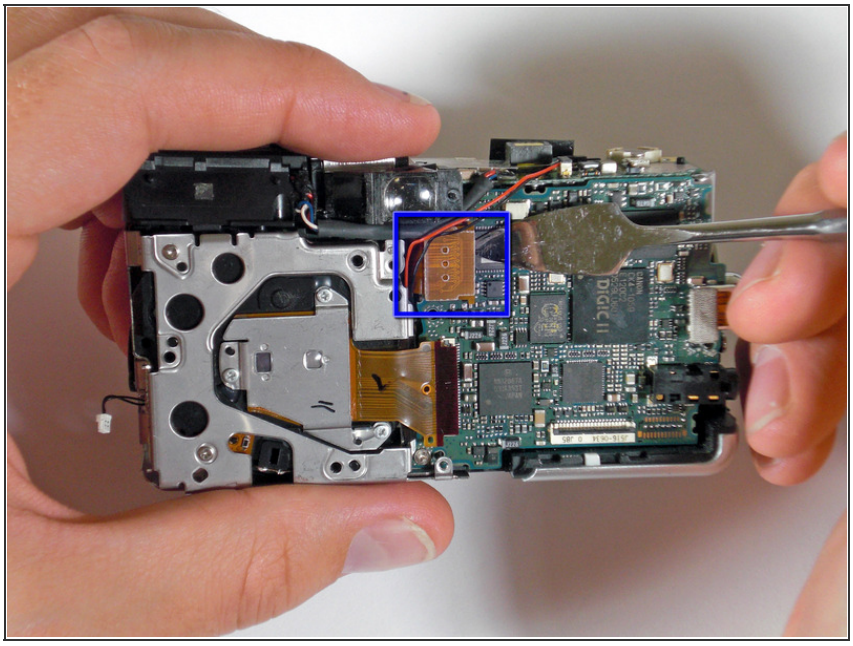
- Unscrew the circuit board from the flash unit.

Step 15

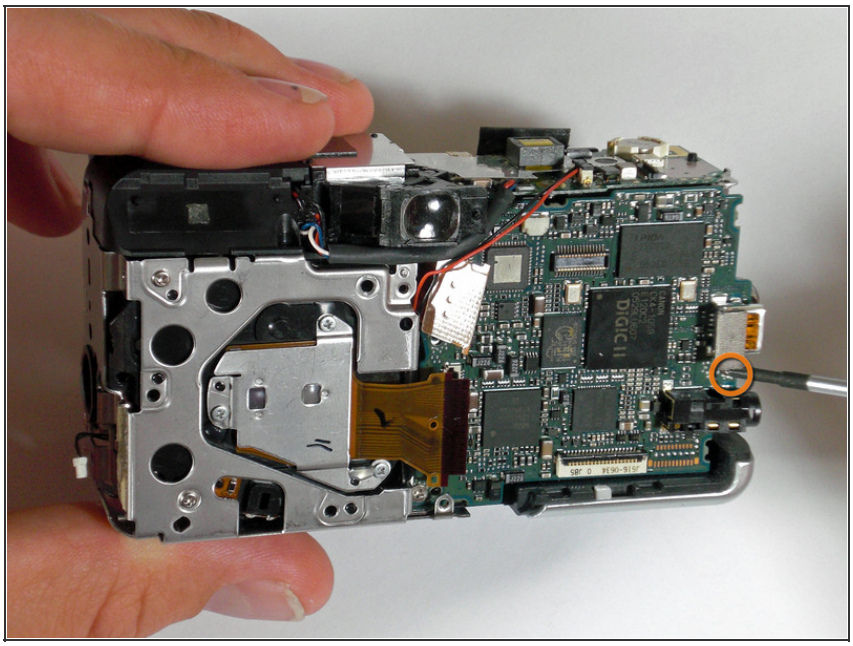
- Pry up the ribbon cable connection and remove it from the camera.
- Lift the ribbon cable tab and completely detach the cable from the camera.

Step 16



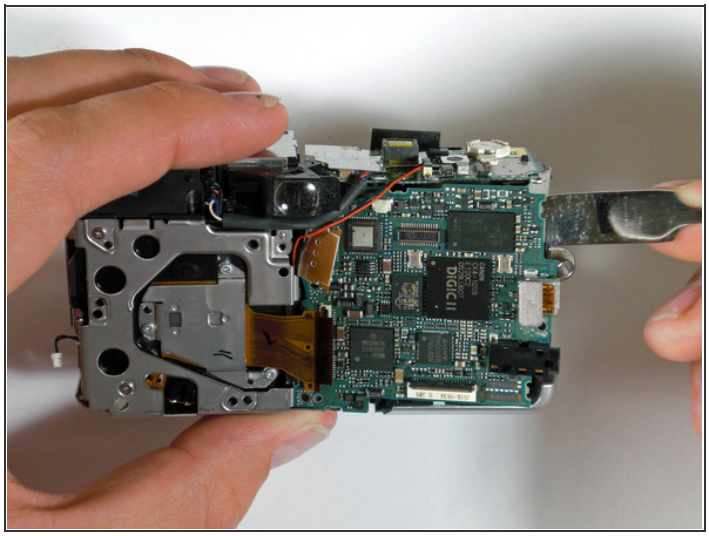
- Pry up the connection, being mindful of the light adhesive.

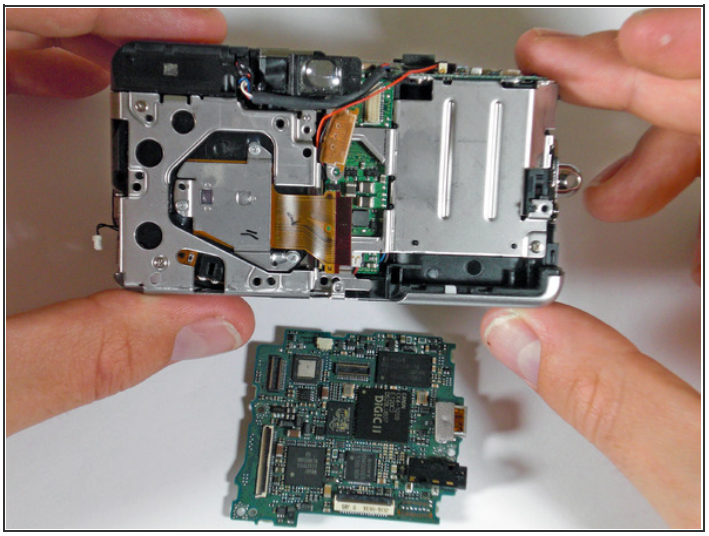
Step 17



- Remove the last screw holding the motherboard to the main body.

Step 18





- Use a spudger to gently lift the motherboard from the camera.

To reassemble your device, follow these instructions in reverse order.

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